



#### Introduction to Children's Mental Health

Attention and Behavior Disorders



# What is Attention Deficit Hyperactivity Disorder?

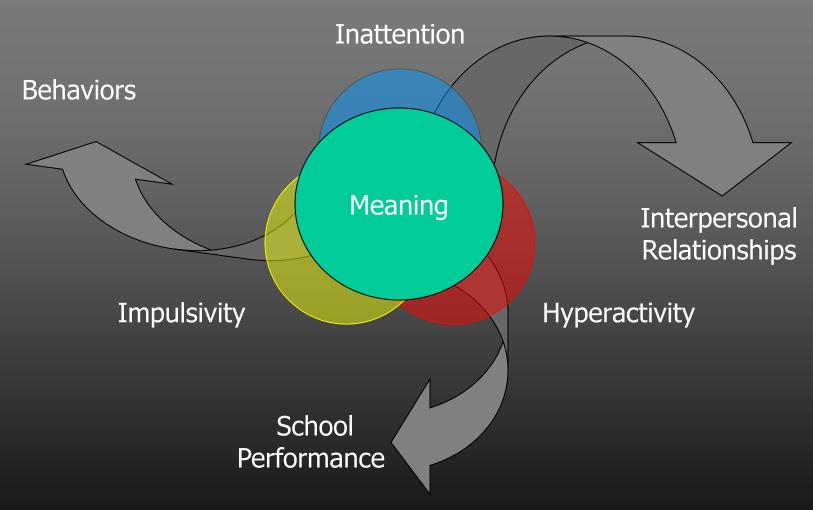
A condition due to the brain's inability

to regulate

- Attention
- Activity
- Self-control
  - Behaviors
  - Thoughts
  - Emotions



#### Attention Deficit Hyperactive Disorder



## Mental Health Treatment in Minnesota

Nearly 1 in 10 children and adolescents in Minnesota have been diagnosed with a mental health condition.

Of the children receiving treatment:

27% Attention Deficit Hyperactive Disorder

24% Depression

15.5% Anxiety

15.5% Adjustment Disorders

11% Disruptive Behavior Disorders

Minnesota Council of Health Plans (2008)





### Inability to Regulate Attention



- Disorganized
- Avoiding tasks that require focus
- Lose things
- Distracted
- Forgetful
- Not very careful
- "Hyperfocus"

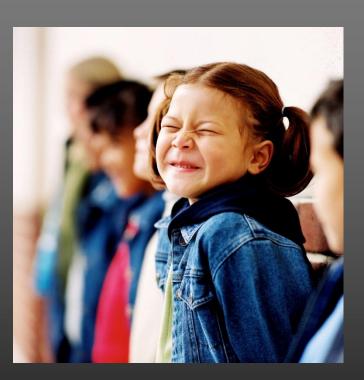
### Inability to Regulate Activity

- Fidgets
- Restless
- Loud
- Constant motion
- Easily excitable
- Talk excessively

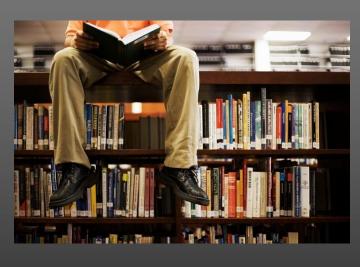


#### Inability to Regulate Self Control

- Thoughts
  - Fast / jumpy thinking
- Impulsive
  - Blurts out
  - Interrupts
  - overreacts
- Emotionally intense



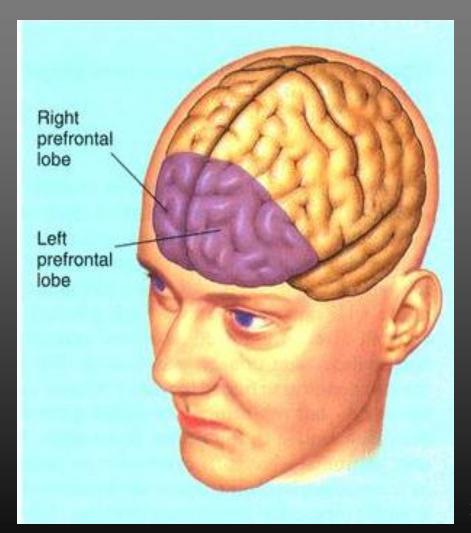
## Changes to our Thinking



- Not the inability to pay attention
- The inability to regulate attention
- Emotional immaturity due to developmental delay in the brain circuitry involved in inhibition and self-control
- 3 year lag in emotional maturity

## **Prefrontal Cortex**

Regulates individual's ability to stay focused, sustain attention, control impulses, and make decisions.

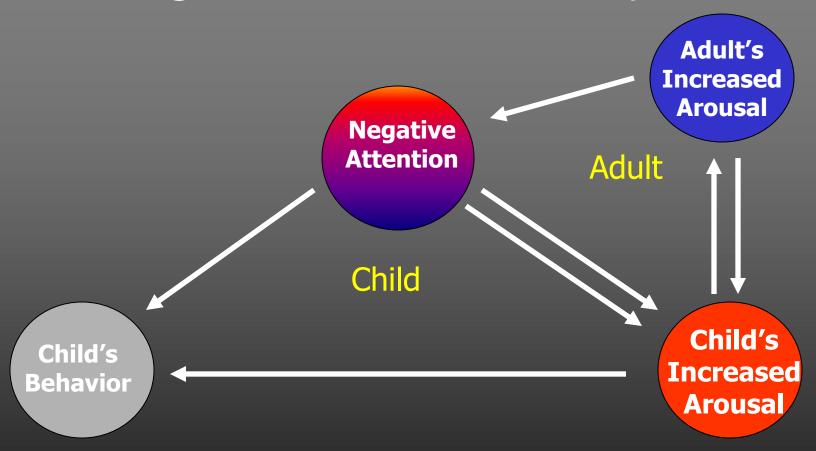


#### Delay in Development of Executive Functions

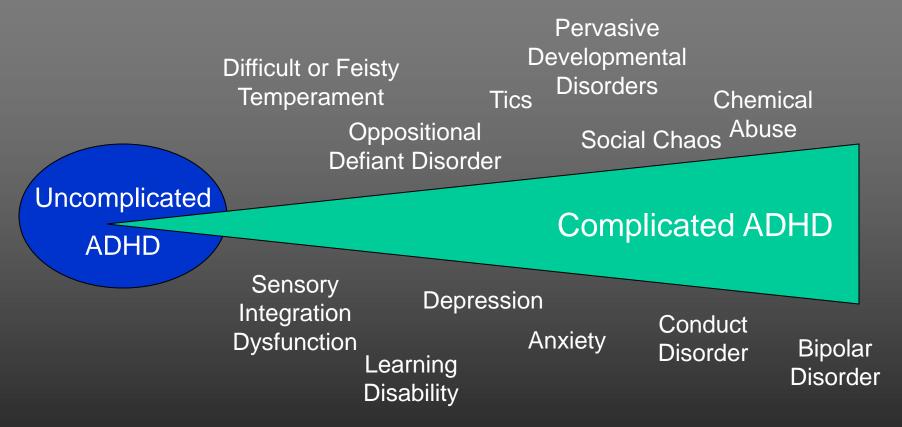


- Impaired working memory
- Inability to use thoughts to direct ourselves
- Inability to recognize social cues
- Inability to integrate newly learned information with previous learned information
- Impaired regulation of emotions, motivation and state of arousal

### Negative Attention Cycle



# Spectrum of Attention and Behavior Disorders



### Top 3 Take Home Messages



Understand Executive Function Impairment

Understand Inability to Regulate Emotions

Understand the Social as well as Academic Implications

## Understand Executive Function Deficits

- Difficulty holding information in the mind while working on a task
- Problems with controlling emotions, staying motivated and being easily overly stimulated
- Difficulty recognizing and remembering previously learned skills in new situations



### Inability to Regulate Emotions

- Less ability to regulate own emotional states
- Emotionally immature when compared to other kids their own age
- Negative redirection social feedback create increased risk for greater emotional and behavioral problems



### Social Impairment

- Inability to recognize social cues and access previously learned social skills
- The impulsivity and problems with emotional control often lead to
  - peer relationship problems
  - Negative attention from adults



**Difficulty** listening to lectures **Difficulty** staying seated

**Needs lots of** 

stimulation

Quick to lose interest

**Over Active** 

Impact on Learning

**Inattention** 

**Difficulty** completing assignments

**Forgetful** 

Constant restlessness

**Impulsivity** 

May have difficulty with group projects considering

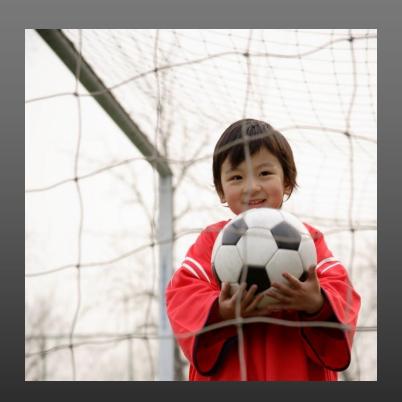
**Acts without** consequences

## Promoting Wellness in Children with ADHD

Physical wellness

Social and emotional wellness

Accessing care



#### Physical Wellness

- Regular Bedtime Routine
- Adequate amount of sleep
- Healthy Diet high in protein and omega-3 fatty acids
- Physical activity for selfmodulation



## Promoting Social and Emotional Wellness

- Calming and selfsoothing (reverse tendency to overstimulation) activities
- Positive attention and feedback from adults and peers
- Opportunities for success behaviorally, socially and academically



#### **Accessing Care**

- Primary care visits
- Mental health care visits
- Regular Counseling/ Therapy
- Medications
- Coordination between family, school, doctors, and counselors



#### Summary

- ADHD is a chronic condition
- The social implications are critical
- Management of attention and behavior disorders should involve physical, personal and clinical interventions



### Summary

- Complicated ADHD requires more intensive approaches to treatment and follow-up
- Treatment should target specific areas to MAXIMIZE functioning
- We need to break the cycle of constant negative feedback these children receive by going out of our way to give them positive attention and reinforcement







For additional information and resources contact:

Minnesota Department of Human Services Phone: (651) 431-2368

E-mail:

Website: <a href="http://www.dhs.state.mn.us">http://www.dhs.state.mn.us</a>

Dr. L. Read Sulik, MD
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Health Services.

#### References

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